

PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)



REC'D 01 MAR 2005

WIPO PCT

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| Applicant's or agent's file reference P03E9008/PCT | | FOR FURTHER ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416) | |
| International application No. PCT/KR2003/002149 | International filing date (day/month/year) 15 OCTOBER 2003 (15.10.2003) | Priority date (day/month/year) 15 OCTOBER 2002 (15.10.2002) | |
| International Patent Classification (IPC) or national classification and IPC IPC7 H04S 7/00 | | | |
| Applicant Electronics and Telecommunications Research Institute et al | | | |

- This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.
- This REPORT consists of a total of 3 sheets, including this cover sheet.
☐ This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).
These annexes consist of a total of _____ sheets.

- This report contains indications relating to the following items:
 - ☒ Basis of the report
 - ☐ Priority
 - ☐ Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
 - ☐ Lack of unity of invention
 - ☒ Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
 - ☐ Certain documents cited
 - ☐ Certain defects in the international application
 - ☐ Certain observations on the international application

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|--|--|
| Date of submission of the demand 07 MAY 2004 (07.05.2004) | Date of completion of this report 05 FEBRUARY 2005 (05.02.2005) |
| Name and mailing address of the IPEA/KR  Korean Intellectual Property Office 920 Dunsan-dong, Seo-gu, Daejeon 302-701, Republic of Korea Facsimile No. 82-42-472-7140 | Authorized officer NA, Yong Soo Telephone No. 82-42-481-5680  |

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/KR2003/002149

I. Basis of the report

1. With regard to the elements of the international application:*

- ☒ the international application as originally filed
- ☐ the description:
 pages _____, as originally filed
 pages _____, filed with the demand
 pages _____, filed with the letter of _____
- ☐ the claims:
 pages _____, as originally filed
 pages _____, as amended (together with any statment) under Article 19
 pages _____, filed with the demand
 pages _____, filed with the letter of _____
- ☐ the drawings:
 pages _____, as originally filed
 pages _____, filed with the demand
 pages _____, filed with the letter of _____
- ☐ the sequence listing part of the description:
 pages _____, as originally filed
 pages _____, filed with the demand
 pages _____, filed with the letter of _____

2. With regard to the language, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item. These elements were available or furnished to this Authority in the following language English which is

- ☐ the language of a translation furnished for the purposes of international search (under Rule 23.1(b)).
- ☒ the language of publication of the international application(under Rule 48.3(b)).
- ☐ the language of the translation furnished for the purposes of international preliminary examination(under Rules 55.2 and/ or 55.3).

3. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:

- ☐ contained inthe international application in written form.
- ☐ filed together with the international application in computer readable form.
- ☐ furnished subsequently to this Authority in written form.
- ☐ furnished subsequently to this Authority in computer readable form
- ☐ The statement that the subsequently furnished written sequence listing does not go beyond the disc losure in the international applicationas as filed has been furinshed.
- ☐ The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

4. ☐ The amendments have resulted in the cancellation of:

- ☐ the description, pages _____
- ☐ the claims, Nos. _____
- ☐ the drawings, sheets _____

5. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box(Rule 70.2(c)).**

* Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this opinion as "originally filed," and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17).

** Any replacement sheet containing such amendments must be referred to under item I and annexed to this report.

INTERNATIONAL PRELIMINARY EXAMINATION

International application No.

PCT/KR2003/002149

V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

| | | | |
|-------------------------------|--------|--------|-----|
| Novelty (N) | Claims | 1 - 12 | |
| | Claims | None | YES |
| Inventive step (IS) | Claims | 1 - 12 | NO |
| | Claims | None | YES |
| Industrial applicability (IA) | Claims | 1 - 12 | NO |
| | Claims | None | YES |
| | | | NO |

2. Citations and explanations (Rule 70.7)

Reference is made to the following documents:

D1 = US2001/0037386 A1 (Susumu Takatsuka et al.) 01 Nov. 2001

D2 = US2001/0043738 A1 (Harpreet Singh Sawhney et al.) 22 Nov. 2001

The subject-matter of claims 1-12 is about a method of generating and consuming 3D audio scene with extended spatiality of a sound source which describes the shape and size attributes of the sound source. The method includes the steps of: generating audio object, and generating 3D audio scene description information including attributes of the sound source of the audio object.

D1 discloses a communication system, an entertainment apparatus, a recording medium, and a program which indicate a connection to a server with an image symbolizing access, rather than a message, thereby allowing the user to find it fun to exchange information using a network. D2 discloses a video flashlight method which creates virtual images of a scene using a dynamically updated three-dimensional model of the scene and at least one video sequence of images.

None of D1 and D2 discloses the technical features of the present invention.

Therefore, the subject-matter of claims 1-12 is considered to be novel and involve an inventive step.